



# DIAGNOSTICS


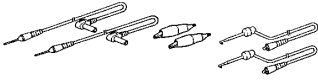

## PREPARATION

### SST

021CL-01

	09816-30010 Oil Pressure Switch Socket	SFI SYSTEM
	09843-18040 Diagnosis Check Wire No.2	SFI SYSTEM SUPPLEMENTAL RESTRAINT SYSTEM

### Recommended Tools

	09082-00040 TOYOTA Electrical Tester	SFI SYSTEM SUPPLEMENTAL RESTRAINT SYSTEM ELECTRONIC CONTROLLED AUTOMATIC TRANSAXLE [ECT] COMBINATION METER WIRELESS DOOR LOCK CONTROL SYSTEM
	(09083-00150) Test Lead Set	SFI SYSTEM ABS WITH EBD SYSTEM SUPPLEMENTAL RESTRAINT SYSTEM ELECTRONIC CONTROLLED AUTOMATIC TRANSAXLE [ECT] AUDIO SYSTEM CRUISE CONTROL SYSTEM COMBINATION METER WIRELESS DOOR LOCK CONTROL SYSTEM POWER DOOR LOCK CONTROL SYSTEM
	(09083-00150) Test Lead Set	SFI SYSTEM ABS WITH EBD SYSTEM SUPPLEMENTAL RESTRAINT SYSTEM ELECTRONIC CONTROLLED AUTOMATIC TRANSAXLE [ECT] AUDIO SYSTEM CRUISE CONTROL SYSTEM COMBINATION METER WIRELESS DOOR LOCK CONTROL SYSTEM POWER DOOR LOCK CONTROL SYSTEM

# ENGINE CONTROL SYSTEM

## PREPARATION

021A2-03

### Equipment


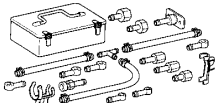
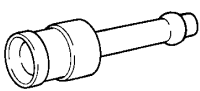

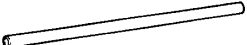

Ohmmeter	
Radiator cup tester	
Torque wrench	

# FUEL

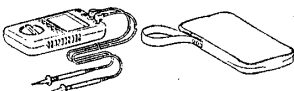
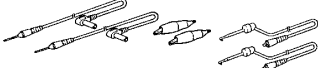
## PREPARATION

### SST

021BK-01

	09268-21010	Fuel Hose Puller	FUEL INJECTOR ASSY
	09268-41047	Injection Measuring Tool Set	FUEL SYSTEM
	(09268-41110)	Adaptor	FUEL SYSTEM
	(09268-41300)	Clamp	FUEL SYSTEM
	(95336-08070)	Hose	FUEL SYSTEM
	09842-30080	Wire "H" EFI Inspection	FUEL SYSTEM

### Recommended Tools

	09082-00040	TOYOTA Electrical Tester	FUEL SYSTEM
	(09083-00150)	Test Lead Set	FUEL SYSTEM

### SSM

	08850-00065	Butyl Tape Set	FUEL PUMP ASSY FUEL TANK ASSY
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### Equipment

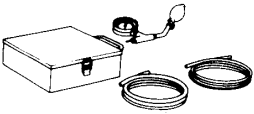
Service wire harness	
Stopwatch	
Measuring flask	
Torque wrench	
Vernier calipers	
Clip	

# EMISSION CONTROL

## PREPARATION

### SST

021BN-01

	09992-00242 Turbocharger Pressure Gauge	EMISSION CONTROL SYSTEM
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### Equipment

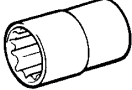

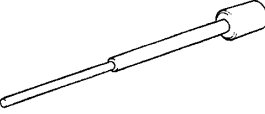
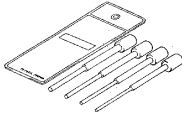
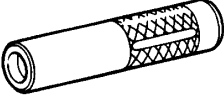
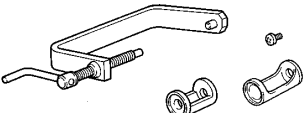
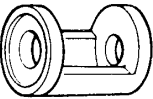
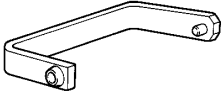

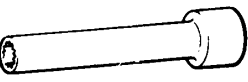

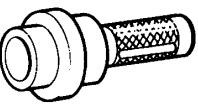
Service Wire Harness	
Ohmmeter	
Vacuum gauge	

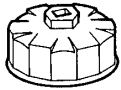

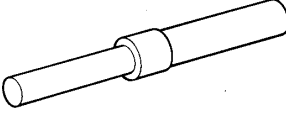
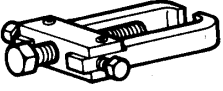
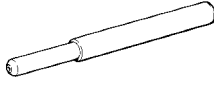


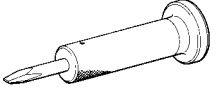
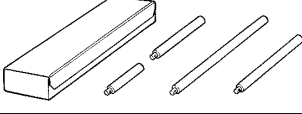

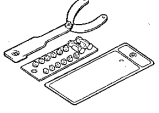
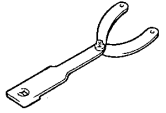
# ENGINE MECHANICAL

## PREPARATION

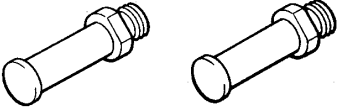
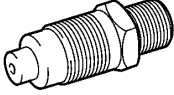
021CI-02

### SST

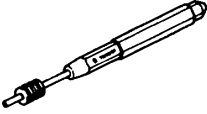
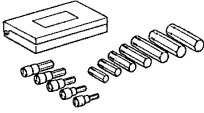
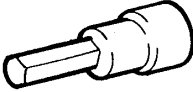
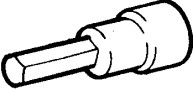
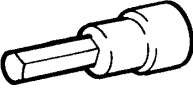
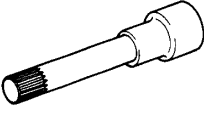

	09011-38121	12 mm Socket Wrench for 12 Pointed Head	CYLINDER BLOCK ASSY(April, 2003)
	09032-00100	Oil Pan Seal Cutter	PARTIAL ENGINE ASSY(April, 2003)
	09201-01055	Valve Guide Bushing Remover & Replacer 5.5	CYLINDER HEAD ASSY
	09201-10000	Valve Guide Bushing Remover & Replacer Set	CYLINDER HEAD ASSY
	09201-41020	Valve Stem Oil Seal Replacer	CYLINDER HEAD ASSY
	09202-70020	Valve Spring Compressor	CYLINDER HEAD ASSY
	(09202-00010)	Attachment	CYLINDER HEAD ASSY
	(09202-01010)	Arm	CYLINDER HEAD ASSY
	(09202-01020)	Set Bolt	CYLINDER HEAD ASSY
	09205-16010	Cylinder Head Bolt Wrench	CYLINDER BLOCK ASSY(April, 2003)
	09223-15020	Oil Seal & Bearing Replacer	ENGINE REAR OIL SEAL PARTIAL ENGINE ASSY(April, 2003)
	09223-22010	Crankshaft Front Oil Seal Replacer	CHAIN SUB-ASSY TIMING CHAIN OR BELT COVER OIL SEAL CYLINDER HEAD GASKET PARTIAL ENGINE ASSY(April, 2003)

	09228-06501 Oil Filter Wrench	PARTIAL ENGINE ASSY(April, 2003)
	09268-21010 Fuel Hose Puller	CYLINDER HEAD GASKET
	09301-00210 Clutch Guide Tool	ENGINE REAR OIL SEAL PARTIAL ENGINE ASSY(April, 2003)
	09628-62011 Boll Joint Puller	PARTIAL ENGINE ASSY(April, 2003)
	09670-00010 Front Crossmember Guide Tool	PARTIAL ENGINE ASSY(April, 2003)
	09817-33190 Sensor Socket Wrench	PARTIAL ENGINE ASSY(April, 2003)
	09843-18040 Diagnosis Check Wire No.2	ENGINE ASSEMBLY CYLINDER HEAD GASKET PARTIAL ENGINE ASSY(April, 2003)
	09930-00010 Drive Shaft Nut Chisel	PARTIAL ENGINE ASSY(April, 2003)
	09950-70010 Handle Set	ENGINE REAR OIL SEAL CYLINDER HEAD ASSY PARTIAL ENGINE ASSY(April, 2003)
	(09951-07100) Handle 100	ENGINE REAR OIL SEAL CYLINDER HEAD ASSY PARTIAL ENGINE ASSY(April, 2003)
	09960-10010 Variable Pin Wrench Set	CHAIN SUB-ASSY TIMING CHAIN OR BELT COVER OIL SEAL ENGINE REAR OIL SEAL CYLINDER HEAD GASKET PARTIAL ENGINE ASSY(April, 2003)
	(09962-01000) Variable Pin Wrench Arm Assy	CHAIN SUB-ASSY TIMING CHAIN OR BELT COVER OIL SEAL ENGINE REAR OIL SEAL CYLINDER HEAD GASKET PARTIAL ENGINE ASSY(April, 2003)

PREPARATION - ENGINE MECHANICAL

	(09963-01000) Pin 10	CHAIN SUB-ASSY TIMING CHAIN OR BELT COVER OIL SEAL ENGINE REAR OIL SEAL CYLINDER HEAD GASKET PARTIAL ENGINE ASSY(April, 2003)
	09992-00500 Compression Gauge Attachment	ENGINE ASSEMBLY CYLINDER HEAD GASKET

Recommended Tools

	09031-00040 Pin Punch .	CYLINDER HEAD ASSY
	09040-00011 Hexagon Wrench Set	PARTIAL ENGINE ASSY(April, 2003)
	(09043-20050) Socket Hexagon Wrench 5	PARTIAL ENGINE ASSY(April, 2003)
	(09043-20100) Socket Hexagon Wrench 10	CYLINDER HEAD ASSY PARTIAL ENGINE ASSY(April, 2003)
	(09043-20120) Socket Hexagon Wrench 12	PARTIAL ENGINE ASSY(April, 2003)
	09043-50100 Bi-hexagon Wrench 10 mm	PARTIAL ENGINE ASSY(April, 2003)
	09090-04020 Engine Sling Device	PARTIAL ENGINE ASSY(April, 2003)

SSM

	08826-00080 Seal Packing Black or equivalent (FIPG)	CHAIN SUB-ASSY CAMSHAFT CYLINDER HEAD GASKET VALVE CLEARANCE PARTIAL ENGINE ASSY(April, 2003) CYLINDER BLOCK ASSY(April, 2003)
	08826-00100 "Seal Packing 1282B," THREE BOND 1282B or equivalent (FIPG)	PARTIAL ENGINE ASSY(April, 2003)
	08833-00070 "Adhesive 1324," THREE BOND 1324 or equivalent	ENGINE REAR OIL SEAL CYLINDER HEAD ASSY PARTIAL ENGINE ASSY(April, 2003)

08833-00080 Adhesive 1344 THREE BOND 1344 LOCTITE 242 or equivalent	CYLINDER BLOCK ASSY(April, 2003)
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### Equipment

CO/HC meter	
Cylinder gauge	
Dial indicator	
Feeler gauge	
Micrometer	
Piston heater	
Plastigage	
Precision straight edge	
Radiator cap tester	
Sandpaper(#400)	
Steel square	
Straight edge	
Spring tester	
Spring tension gauge	
Torque wrench	
Valve seat cutter	
Vernier calipers	
V-block	
Wooden block	

# EXHAUST PREPARATION

021A3-02


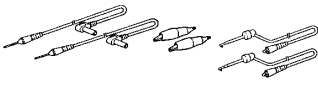
## Equipment

Torque wrench	
Vernier calipers	

# COOLING PREPARATION

021BO-02

## Recommended Tools

	09082-00040 TOYOTA Electrical Tester	COOLING FAN SYSTEM
	(09083-00150) Test Lead Set	COOLING FAN SYSTEM

## Equipment

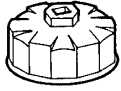
Heater	
Radiator cap tester	
Slide calipers	
Thermometer	
Torque wrench	

## Coolant

Item	Capacity	Classification
Engine coolant	6.5 liters (6.9 US qts, 5.7 Imp. qts)	TOYOTA long life coolant

# LUBRICATION PREPARATION SST

021A4-03

	09228-06501 Oil Filter Wrench	OIL FILTER SUB-ASSY
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## Equipment

Feeler gauge	
Radiator cup tester	
Torque wrench	

## Lubricant


Item	Capacity	Classification
Oil grade	-	API grade SL Energy-Conserving or ILSAC, multi-grade engine oil
Drain and refill	w/ oil filter change 3.7 liters (3.9 US qts, 3.3 Imp. qts)	-
	w/o oil filter change 3.5 liters (3.7 US qts, 3.1 Imp. qts)	
Dry fill	4.2 liters (4.4 US qts, 3.7 Imp. qts)	-

# IGNITION

## PREPARATION

021A5-02

### Recommended Tools

	(09857-00031) Spark Plug Gap Gauge	IGNITION SYSTEM
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### Equipment

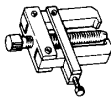
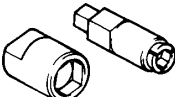

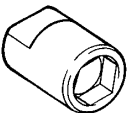
Ohmmeter	
Spark plug cleaner	

# STARTING & CHARGING

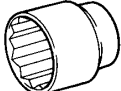

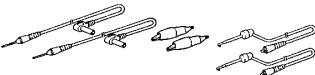
## PREPARATION

022UA-01

### SST

	09286-46011	Injection Pump Spline Shaft Puller	GENERATOR ASSY
	09820-63010	Alternator Pulley Set Nut Wrench Set	GENERATOR ASSY
	(09820-06010)	Alternator Rotor Shaft Wrench	GENERATOR ASSY
	(09820-06020)	Alternator Pulley Set Nut 22 mm Wrench	GENERATOR ASSY

### Recommended Tools

	09011-12291	Socket Wrench for 29 mm .	GENERATOR ASSY
	09082-00040	TOYOTA Electrical Tester	STARTING SYSTEM STARTER ASSY GENERATOR ASSY STARTING SYSTEM(April, 2003) STARTER ASSY(April, 2003)
	(09083-00150)	Test Lead Set	STARTING SYSTEM GENERATOR ASSY STARTING SYSTEM(April, 2003) STARTER ASSY(April, 2003)

### Equipment

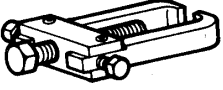
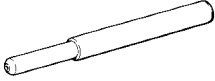
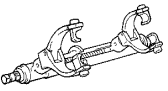
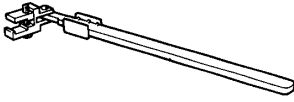
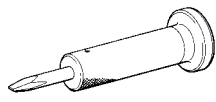
Service wire harness	
Ohmmeter	
Torque wrench	
Vernier calipers	
Slide calipers	
Wooden block	

# FRONT SUSPENSION

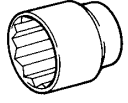
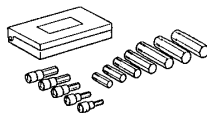
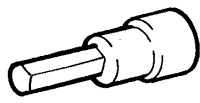
## PREPARATION

021C2-01

### SST

	09628-62011	Ball Joint Puller	LOWER BALL JOINT ASSY FRONT LH
	09670-00010	Front Crossmember Guide Tool	FRONT SUSPENSION ARM SUB-ASSY LOWER NO.1 LH STABILIZER BAR FRONT
	09727-30021	Coil Spring Compressor	FRONT SHOCK ABSORBER WITH COIL SPRING
	09729-22031	Front Spring Upper Seat Holder	FRONT SHOCK ABSORBER WITH COIL SPRING
	09930-00010	Drive Shaft Nut Chisel	LOWER BALL JOINT ASSY FRONT LH

### Recommended Tools

	09011-12301	Socket Wrench 30 mm	LOWER BALL JOINT ASSY FRONT LH
	09040-00011	Hexagon Wrench Set	FRONT SHOCK ABSORBER WITH COIL SPRING FRONT SUSPENSION ARM SUB-ASSY LOWER NO.1 LH STABILIZER BAR FRONT
	(09043-20060)	Socket Hexagon Wrench 6	FRONT SHOCK ABSORBER WITH COIL SPRING FRONT SUSPENSION ARM SUB-ASSY LOWER NO.1 LH STABILIZER BAR FRONT

### Equipment


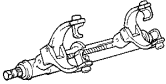

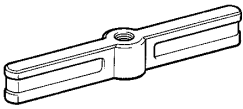
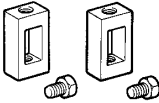
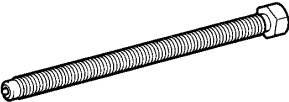
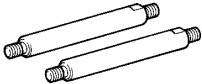
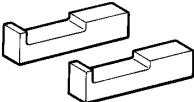

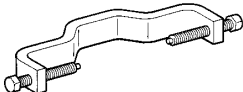
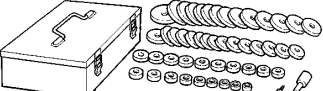

Torque wrench	
Dial indicator with magnetic base	
Tire pressure gauge	
Alignment tester	
Toe-in gauge	
Angle gauge	
Camber-caster-kingpin gauge	
Engine Sling Device	
Drill	

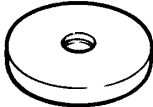
# REAR SUSPENSION

## PREPARATION

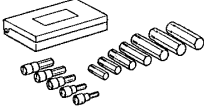
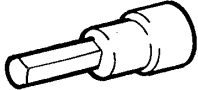
021BV-01

### SST

	<p>09710-04101 Base</p>	<p>REAR AXLE BEAM ASSY</p>
	<p>09727-30021 Coil Spring Compressor</p>	<p>REAR SHOCK ABSORBER WITH COIL SPRING</p>
	<p>09950-40011 Puller B Set</p>	<p>REAR AXLE BEAM ASSY</p>
	<p>(09951-04020) Hanger 200</p>	<p>REAR AXLE BEAM ASSY</p>
	<p>(09952-04010) Slide Arm</p>	<p>REAR AXLE BEAM ASSY</p>
	<p>(09953-04030) Center Bolt 200</p>	<p>REAR AXLE BEAM ASSY</p>
	<p>(09954-04020) Arm 100</p>	<p>REAR AXLE BEAM ASSY</p>
	<p>(09955-04051) Claw No.5</p>	<p>REAR AXLE BEAM ASSY</p>
	<p>(09957-04010) Attachment</p>	<p>REAR AXLE BEAM ASSY</p>
	<p>(09958-04011) Holder</p>	<p>REAR AXLE BEAM ASSY</p>
	<p>09950-60010 Replacer Set</p>	<p>REAR AXLE BEAM ASSY</p>
	<p>(09951-00620) Replacer 62</p>	<p>REAR AXLE BEAM ASSY</p>

	(09951-00630) Replacer 63	REAR AXLE BEAM ASSY
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**Recommended Tools**

	09040-00011 Hexagon Wrench Set	REAR SHOCK ABSORBER WITH COIL SPRING
	(09043-20060) Socket Hexagon Wrench 6	REAR SHOCK ABSORBER WITH COIL SPRING

**Equipment**

Torque wrench	
Dial indicator with magnetic base	
Wheel balancer	
Tire pressure gauge	
Alignment tester	
Toe-in gauge	
Camber-caster-kingpin gauge	
Drill	

# TIRE&WHEEL PREPARATION

021C4-01

## Equipment

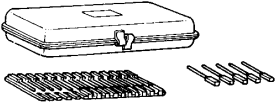

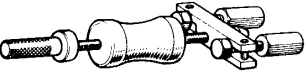

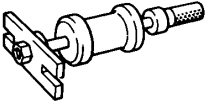
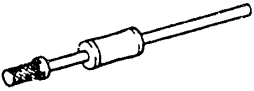
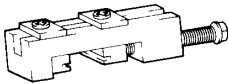
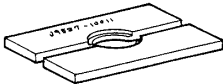

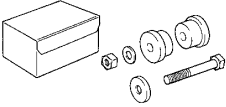


Tire pressure gauge	
Dial indicator with magnetic base	
Wheel balancer	

# DRIVE SHAFT / PROPELLER SHAFT

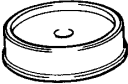
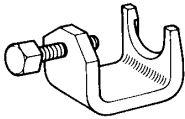
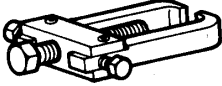
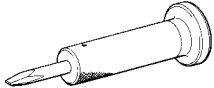
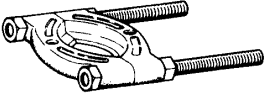

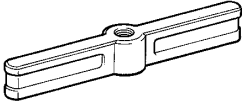
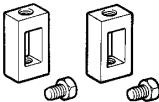
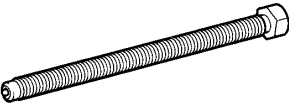
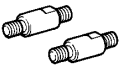
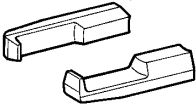

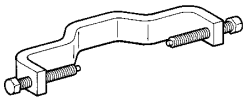
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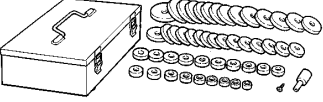



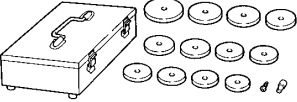
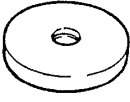
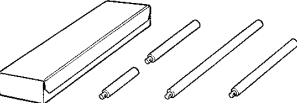

021BZ-01

### SST

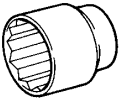
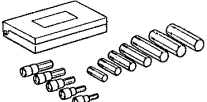
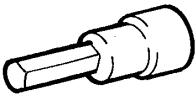
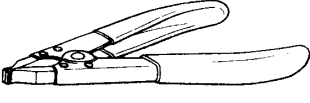
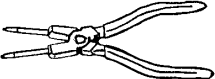
	09240-00020	Wire Gauge Set	FRONT DRIVE SHAFT
	(09242-00150)	Wire Gauge 1.5 mm (0.059 in.)	FRONT DRIVE SHAFT
	09520-00031	Rear Axle Shaft Puller	FRONT AXLE HUB SUB-ASSY LH
	09520-01010	Drive Shaft Remover Attachment	FRONT DRIVE SHAFT
	09520-24010	Differential Side Gear Shaft Puller	FRONT DRIVE SHAFT
	(09520-32040)	Shocker Set	FRONT DRIVE SHAFT
	09521-24010	Rear Axle Shaft Puller	FRONT DRIVE SHAFT
	09527-10011	Rear Axle Shaft Bearing Remover	FRONT DRIVE SHAFT
	09527-17011	Rear Axle Shaft Bearing Remover	FRONT AXLE HUB SUB-ASSY LH
	09608-16042	Front Hub Bearing Adjusting Tool	FRONT DRIVE SHAFT
	(09608-02021)	Bolt & Nut	FRONT DRIVE SHAFT
	(09608-02041)	Retainer	FRONT DRIVE SHAFT

## PREPARATION - DRIVE SHAFT / PROPELLER SHAFT

	09608-32010	Steering Knuckle Oil Seal Replacer	FRONT AXLE HUB SUB-ASSY LH
	09628-10011	Ball Joint Puller	REAR AXLE LH HUB BOLT FRONT AXLE LH HUB BOLT
	09628-62011	Ball Joint Puller	FRONT DRIVE SHAFT FRONT AXLE HUB SUB-ASSY LH
	09930-00010	Drive Shaft Nut Chisel	FRONT DRIVE SHAFT FRONT AXLE HUB SUB-ASSY LH
	09950-00020	Bearing Remover	FRONT DRIVE SHAFT
	09950-40011	Puller B Set	FRONT AXLE HUB SUB-ASSY LH
	(09951-04020)	Hanger 200	FRONT AXLE HUB SUB-ASSY LH
	(09952-04010)	Slide Arm	FRONT AXLE HUB SUB-ASSY LH
	(09953-04030)	Center Bolt 200	FRONT AXLE HUB SUB-ASSY LH
	(09954-04010)	Arm 25	FRONT AXLE HUB SUB-ASSY LH
	(09955-04061)	Claw No.6	FRONT AXLE HUB SUB-ASSY LH
	(09957-04010)	Attachment	FRONT AXLE HUB SUB-ASSY LH
	(09958-04011)	Holder	FRONT AXLE HUB SUB-ASSY LH

	09950-60010 Replacer Set	FRONT AXLE HUB SUB-ASSY LH
	(09951-00370) Replacer 37	FRONT AXLE HUB SUB-ASSY LH
	(09951-00600) Replacer 60	FRONT AXLE HUB SUB-ASSY LH
	(09951-00640) Replacer 64	FRONT AXLE HUB SUB-ASSY LH
	09950-60020 Replacer Set No.2	FRONT AXLE HUB SUB-ASSY LH
	(09951-00720) Replacer 72	FRONT AXLE HUB SUB-ASSY LH
	09950-70010 Handle Set	FRONT AXLE HUB SUB-ASSY LH
	(09951-07100) Handle 100	FRONT AXLE HUB SUB-ASSY LH

**Recommended Tools**

	09011-12301 Socket Wrench 30 mm	FRONT DRIVE SHAFT FRONT AXLE HUB SUB-ASSY LH
	09040-00011 Hexagon Wrench Set	FRONT DRIVE SHAFT FRONT AXLE HUB SUB-ASSY LH
	(09043-20060) Socket Hexagon Wrench 6	FRONT DRIVE SHAFT FRONT AXLE HUB SUB-ASSY LH
	09905-00012 Snap Ring No.1 Expander	FRONT DRIVE SHAFT
	09905-00013 Snap Ring Pliers	FRONT AXLE HUB SUB-ASSY LH

**Equipment**

Torque wrench	
Dial indicator with magnetic base	

**Lubricant**


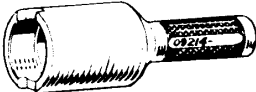
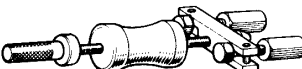
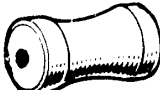
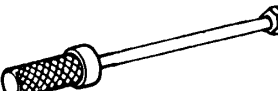

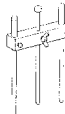
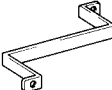
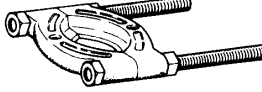
Item	Capacity
Front drive shaft Inboard joint grease	135 – 155 g (4.8 – 5.5 oz.)

# BRAKE

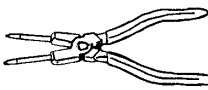
## PREPARATION

### SST

021CC-02

	09023-00100	Union Nut Wrench 10 mm	BRAKE FLUID FRONT BRAKE REAR BRAKE BRAKE ACTUATOR ASSY BRAKE BOOSTER ASSY PROPORTIONING VALVE ASSY BRAKE MASTER CYLINDER SUB-ASSY(April, 2003)
	09214-76011	Crankshaft Pulley Replacer	SKID CONTROL SENSOR
	09520-00031	Rear Axle Shaft Puller	SKID CONTROL SENSOR
	(09520-00040)	Shocker	SKID CONTROL SENSOR
	09521-00020	Drive Shaft Boot Clamping Tool	SKID CONTROL SENSOR
	09718-00010	Shoe Hold Down Spring Driver	REAR BRAKE
	09737-00013	Brake Booster Push Rod Gauge	BRAKE MASTER CYLINDER SUB-ASSY(April, 2003)
	09737-00020	Brake Booster Push Rod Wrench	BRAKE MASTER CYLINDER SUB-ASSY(April, 2003)
	09950-00020	Bearing Remover	SKID CONTROL SENSOR

### Recommended Tools

	09905-00013	Snap Ring Pliers	BRAKE MASTER CYLINDER SUB-ASSY
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## PREPARATION – BRAKE

**Equipment**

Ruler	
Dial indicator	
Micrometer	
Torque wrench	
Brake drum gauge	

**Lubricant**

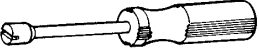
Item	Capacity	Classification
Brake fluid	–	SAE J1703 or FMVSS No. 116 DOT3

# PARKING BRAKE

## PREPARATION

021CD-01

### SST

	09718-00010 Shoe Hold Down Spring Driver	PARKING BRAKE CABLE ASSY NO.3
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### Equipment



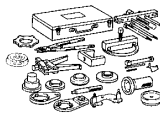
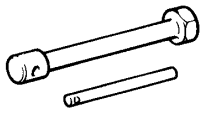
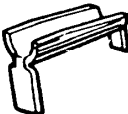

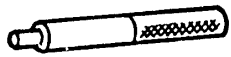

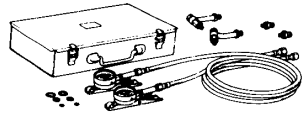
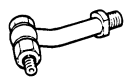


Torque wrench	
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# AUTOMATIC TRANSMISSION / TRANS

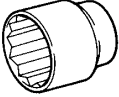
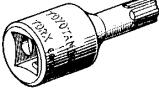
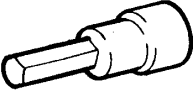
## PREPARATION

021CJ-01

### SST

	09023-12700	Union Nut Wrench 17mm	AUTOMATIC ASSY(ATM)	TRANSAXLE
	09308-00010	Oil Seal Puller	FRONT DIFFERENTIAL OIL SEAL(ATM)	
	09350-32014	TOYOTA Automatic Transmission Tool Set	AUTOMATIC ASSY(ATM) FRONT DIFFERENTIAL OIL SEAL(ATM) TORQUE CONVERTER CLUTCH AND DRIVE PLATE(ATM)	TRANSAXLE
	(09351-32010)	One-way Clutch Test Tool	AUTOMATIC ASSY(ATM) TORQUE CONVERTER CLUTCH AND DRIVE PLATE(ATM)	TRANSAXLE
	(09351-32020)	Stator Stopper	AUTOMATIC ASSY(ATM) TORQUE CONVERTER CLUTCH AND DRIVE PLATE(ATM)	TRANSAXLE
	(09351-32111)	Side Bearing Race Replacer	FRONT DIFFERENTIAL OIL SEAL(ATM)	
	(09351-32130)	Handle	FRONT DIFFERENTIAL OIL SEAL(ATM)	
	(09351-32150)	Oil Seal Replacer	FRONT DIFFERENTIAL OIL SEAL(ATM)	
	09992-00095	Automatic Transmission Oil Pressure Gauge Set		
	(09992-00231)	Adaptor C		
	(09992-00271)	Gauge Assy		
	09843-18030	Tacho-pulse Pickup Wire No.2		

**Recommended Tools**

	09011-12301	Socket Wrench 30 mm	AUTOMATIC ASSY(ATM)	TRANSAXLE
	09042-00010	Torx Socket T30	FLOOR SHIFT PARKING LOCK CABLE ASSY(ATM)	
	(09043-20100)	Socket Hexagon Wrench 10	FRONT DIFFERENTIAL SEAL(ATM)	OIL

**Equipment**

Straight edge	Torque converter clutch
Vernier calipers	Torque converter clutch
Dial indicator or dial indicator with magnetic base	Drive plate
Torque wrench	
Engine sling device	Automatic transaxle assy
Slide calipers	Automatic transaxle assy, Front differential oil seal
Chain block	Automatic transaxle assy

**Lubricant**

Item	Capacity	Classification
Automatic transaxle fluid		
Dry fill	7.3 liters (7.72 US qts, 6.42 Imp.qts)	ATF Type T-IV
Drain and refill	3.0 liters (3.2 US qts, 2.6 Imp.qts)	

**SSM (Special Service Materials)**

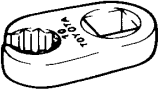
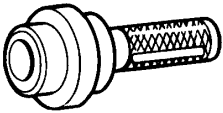
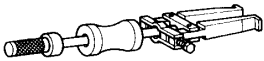
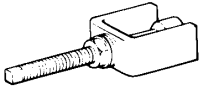
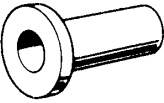
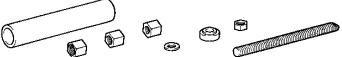
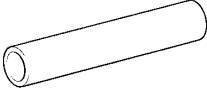
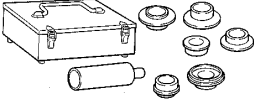



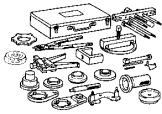
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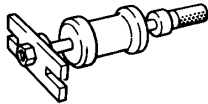
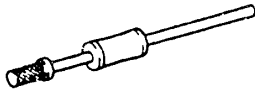
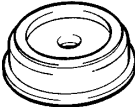
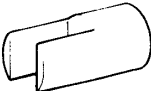
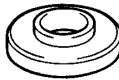
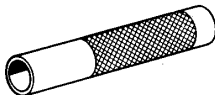
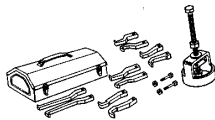
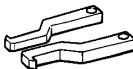
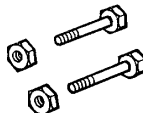
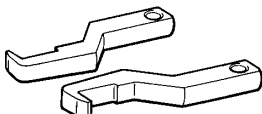
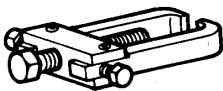
# MANUAL TRANSMISSION/TRANSAXLE

021CF-01

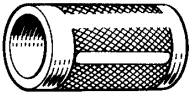
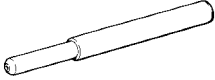
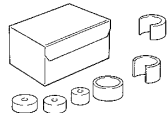

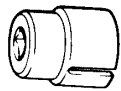
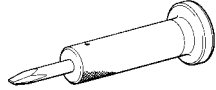
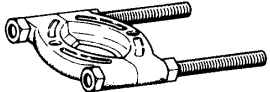
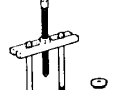
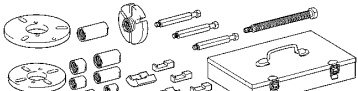



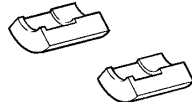
## PREPARATION



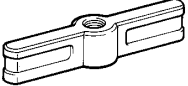
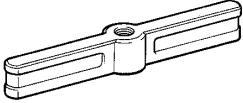
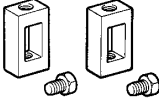
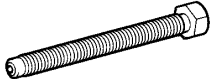
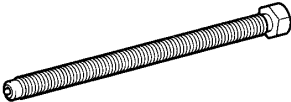
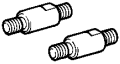
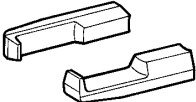
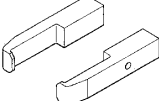

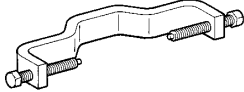
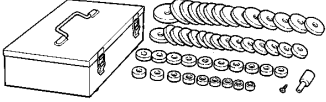
### SST

	09023-12700	Union Nut Wrench 17mm	MANUAL TRANSAXLE ASSY
	09223-50010	Crankshaft Front Oil Seal Replacer	OUTPUT SHAFT ASSY(C59)
	09308-00010	Oil Seal Puller	FRONT DIFFERENTIAL OIL SEAL MANUAL TRANSAXLE ASSY(C59)
	09309-12020	5th Driven Gear Replacer	MANUAL TRANSAXLE ASSY(C59)
	09309-36010	Transmission Rear Bearing Replacer	MANUAL TRANSAXLE ASSY(C59)
	09309-36100	Transmission Bearing Replacer Set	OUTPUT SHAFT ASSY(C59)
	(09309-03610)	Body	OUTPUT SHAFT ASSY(C59)
	09316-60011	Transmission & Transfer Bearing Replacer	MANUAL TRANSAXLE ASSY(C59) INPUT SHAFT ASSY(C59) OUTPUT SHAFT ASSY(C59)
	(09316-00011)	Replacer Pipe	MANUAL TRANSAXLE ASSY(C59)
	(09316-00021)	Replacer "A"	INPUT SHAFT ASSY(C59)
	(09316-00031)	Replacer "B"	OUTPUT SHAFT ASSY(C59)
	09350-32014	TOYOTA Automatic Transmission Tool Set	MANUAL TRANSAXLE ASSY(C59)











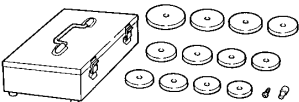


	(09351-32120) Overdrive Bearing Replacer	MANUAL TRANSAXLE ASSY(C59)
	09520-01010 Drive Shaft Remover Attachment	MANUAL TRANSAXLE ASSY FRONT DIFFERENTIAL OIL SEAL
	09520-24010 Differential Side Gear Shaft Puller	MANUAL TRANSAXLE ASSY FRONT DIFFERENTIAL OIL SEAL
	(09520-32040) Shocker Set	MANUAL TRANSAXLE ASSY FRONT DIFFERENTIAL OIL SEAL
	09554-14010 Differential Oil Seal Replacer	FRONT DIFFERENTIAL OIL SEAL
	09564-32011 Differential Preload Adaptor	MANUAL TRANSAXLE ASSY(C59)
	09608-00071 Drive Pinion Rear Bearing Cone Replacer	OUTPUT SHAFT ASSY(C59)
	09612-22011 Tilt Handle Bearing Replacer	OUTPUT SHAFT ASSY(C59)
	09612-65014 Steering Worm Bearing Puller	MANUAL TRANSAXLE ASSY(C59)
	(09612-01040) Claw "D"	MANUAL TRANSAXLE ASSY(C59)
	(09612-01050) Hanger Pin with Nut	MANUAL TRANSAXLE ASSY(C59)
	(09612-01060) Claw "E"	MANUAL TRANSAXLE ASSY(C59)
	09628-62011 Boll Joint Puller	MANUAL TRANSAXLE ASSY FRONT DIFFERENTIAL OIL SEAL

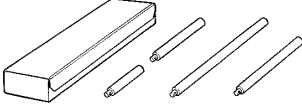



PREPARATION - MANUAL TRANSMISSION/TRANSAXLE

	<p>09636-20010 Upper Ball Joint Dust Cover Replacer</p>	<p>MANUAL TRANSAXLE ASSY(C59) INPUT SHAFT ASSY(C59)</p>
	<p>09670-00010 Front Crossmember Guide Tool</p>	<p>MANUAL TRANSAXLE ASSY</p>
	<p>09710-20011 Front Suspension Bushing Tool Set</p>	<p>MANUAL TRANSAXLE ASSY(C59)</p>
	<p>(09710-06071) Replacer</p>	<p>MANUAL TRANSAXLE ASSY(C59)</p>
	<p>09817-16011 Back-up Light Switch Tool</p>	<p>MANUAL TRANSAXLE ASSY(C59)</p>
	<p>09930-00010 Drive Shaft Nut Chisel</p>	<p>MANUAL TRANSAXLE ASSY FRONT DIFFERENTIAL OIL SEAL</p>
	<p>09950-00020 Bearing Remover</p>	<p>MANUAL TRANSAXLE ASSY(C59) INPUT SHAFT ASSY(C59) OUTPUT SHAFT ASSY(C59)</p>
	<p>09950-00030 Bearing Remover Attachment</p>	<p>MANUAL TRANSAXLE ASSY(C59)</p>
	<p>09950-30012 Puller A Set</p>	<p>MANUAL TRANSAXLE ASSY(C59)</p>
	<p>(09951-03010) Upper Plate</p>	<p>MANUAL TRANSAXLE ASSY(C59)</p>
	<p>(09953-03010) Center Bolt</p>	<p>MANUAL TRANSAXLE ASSY(C59)</p>
	<p>(09954-03010) Arm</p>	<p>MANUAL TRANSAXLE ASSY(C59)</p>
	<p>(09955-03011) Claw No.1</p>	<p>MANUAL TRANSAXLE ASSY(C59)</p>

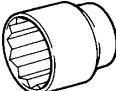
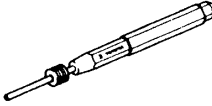

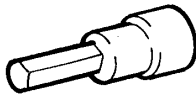
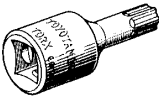
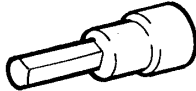
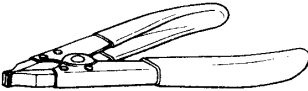
	(09957-04010) Attachment	MANUAL TRANSAXLE ASSY(C59)
	09950-40011 Puller B Set	MANUAL TRANSAXLE ASSY(C59)
	(09951-04010) Hanger 150	MANUAL TRANSAXLE ASSY(C59)
	(09951-04020) Hanger 200	MANUAL TRANSAXLE ASSY(C59)
	(09952-04010) Slide Arm	MANUAL TRANSAXLE ASSY(C59)
	(09953-04020) Center Bolt 150	MANUAL TRANSAXLE ASSY(C59)
	(09953-04030) Center Bolt 200	MANUAL TRANSAXLE ASSY(C59)
	(09954-04010) Arm 25	MANUAL TRANSAXLE ASSY(C59)
	(09955-04061) Claw No.6	MANUAL TRANSAXLE ASSY(C59)
	(09955-04071) Claw No.7	MANUAL TRANSAXLE ASSY(C59)
	(09957-04010) Attachment	MANUAL TRANSAXLE ASSY(C59)
	(09958-04011) Holder	MANUAL TRANSAXLE ASSY(C59)
	09950-60010 Replacer Set	MANUAL TRANSAXLE ASSY(C59) OUTPUT SHAFT ASSY(C59) SHIFT & SELECT LEVER SHAFT ASSY(C59)

PREPARATION - MANUAL TRANSMISSION/TRANSAXLE

	<p>(09951-00190) Replacer 19</p>	<p>MANUAL TRANSAXLE ASSY(C59)</p>
	<p>(09951-00200) Replacer 20</p>	<p>MANUAL TRANSAXLE ASSY(C59)</p>
	<p>(09951-00220) Replacer 22</p>	<p>SHIFT &amp; SELECT LEVER SHAFT ASSY(C59)</p>
	<p>(09951-00360) Replacer 36</p>	<p>MANUAL TRANSAXLE ASSY(C59)</p>
	<p>(09951-00370) Replacer 37</p>	<p>MANUAL TRANSAXLE ASSY(C59)</p>
	<p>(09951-00420) Replacer 42</p>	<p>MANUAL TRANSAXLE ASSY(C59)</p>
	<p>(09951-00450) Replacer 45</p>	<p>OUTPUT SHAFT ASSY(C59)</p>
	<p>(09951-00530) Replacer 53</p>	<p>MANUAL TRANSAXLE ASSY(C59)</p>
	<p>(09951-00550) Replacer 55</p>	<p>MANUAL TRANSAXLE ASSY(C59)</p>
	<p>(09951-00600) Replacer 60</p>	<p>MANUAL TRANSAXLE ASSY(C59)</p>
	<p>09950-60020 Replacer Set No.2</p>	<p>MANUAL TRANSAXLE ASSY(C59)</p>
	<p>(09951-00680) Replacer 68</p>	<p>MANUAL TRANSAXLE ASSY(C59)</p>
	<p>(09951-00710) Replacer 71</p>	<p>MANUAL TRANSAXLE ASSY(C59)</p>

	09950-70010	Handle Set	FRONT DIFFERENTIAL OIL SEAL MANUAL TRANSAXLE ASSY(C59) SHIFT & SELECT LEVER SHAFT ASSY(C59)
	(09951-07100)	Handle 100	MANUAL TRANSAXLE ASSY(C59) SHIFT & SELECT LEVER SHAFT ASSY(C59)
	(09951-07150)	Handle 150	MANUAL TRANSAXLE ASSY(C59)
	(09951-07200)	Handle 200	FRONT DIFFERENTIAL OIL SEAL

**Recommended Tools**

	09011-12301	Socket Wrench 30 mm	MANUAL TRANSAXLE ASSY FRONT DIFFERENTIAL OIL SEAL
	09031-00030	Pin Punch	DIFFERENTIAL CASE ASSY(C59)
	09031-00040	Pin Punch .	MANUAL TRANSAXLE ASSY(C59) SHIFT & SELECT LEVER SHAFT ASSY(C59)
	(09043-20060)	Socket Hexagon Wrench 6	MANUAL TRANSAXLE ASSY(C59)
	09042-00010	Torx Socket T30	FLOOR SHIFT CABLE TRANSMISSION CONTROL SHIFT FLOOR SHIFT CABLE TRANSMISSION CONTROL SELECT
	(09043-20060)	Socket Hexagon Wrench 6	MANUAL TRANSAXLE ASSY(C59)
	09905-00012	Snap Ring No.1 Expander	MANUAL TRANSAXLE ASSY(C59)

**Equipment**

Dial indicator	
Feeler gauge	
Micrometer	
Torque wrench	
Slide calipers	

**Lubricant**


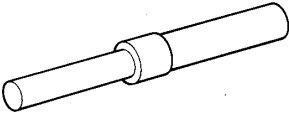
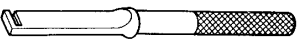
Item	Capacity	Classification
C59 Manual transaxle oil (w/ Differential oil)	1.9 liters (2.0 US qts, 1.7 Imp. qts)	API GL-4 or GL-5 SAE 75W-90

# CLUTCH

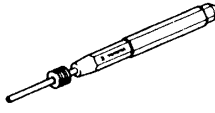
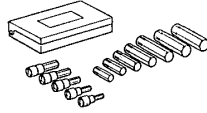
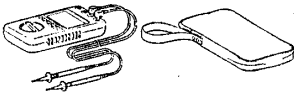
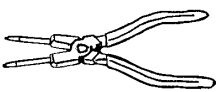
## PREPARATION

### SST

021BQ-01

	09023-00100	Union Nut Wrench 10 mm	CLUTCH RELEASE CYLINDER ASSY(MTM) CLUTCH MASTER CYLINDER ASSY(MTM)
	09301-00210	Clutch Guide Tool	CLUTCH UNIT(MTM)
	09333-00013	Universal Joint Bearing Remover & Replacer	CLUTCH UNIT(MTM)

### Recommended Tools

	09031-00030	Pin Punch	CLUTCH MASTER CYLINDER ASSY
	09040-00011	Hexagon Wrench Set	CLUTCH MASTER CYLINDER ASSY CLUTCH PEDAL SUB-ASSY
	09082-00040	TOYOTA Electrical Tester	CLUTCH START SWITCH ASSY
	09905-00013	Snap Ring Pliers	CLUTCH MASTER CYLINDER ASSY

### Equipment

Vernier calipers	
Dial indicator with magnetic base	
Torque wrench	

### Lubricant

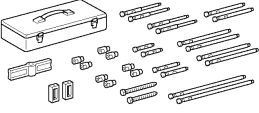
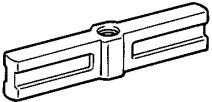
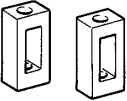
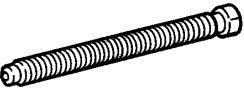

Item	Capacity	Classification
Brake fluid	-	SAE J1703 or FMVSS No. 116 DOT3

# STEERING COLUMN

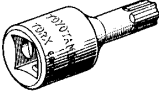
## PREPARATION

021CA-01

### SST

	09950-50013 Puller C Set	STEERING COLUMN ASSY
	(09951-05010) Hanger 150	STEERING COLUMN ASSY
	(09952-05010) Slide Arm	STEERING COLUMN ASSY
	(09953-05020) Center Bolt 150	STEERING COLUMN ASSY
	(09954-05021) Claw No.2	STEERING COLUMN ASSY

### Recomended Tools

	09042-00010 Torx Socket T30	STEERING COLUMN ASSY
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### Equipment


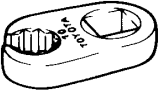
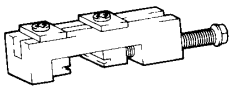
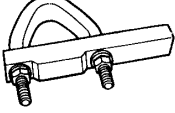
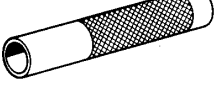
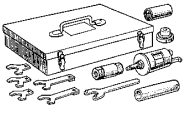

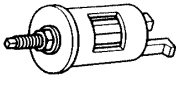
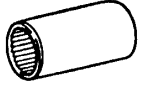
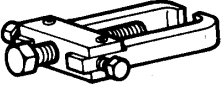

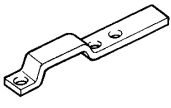
Torque wrench	
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# POWER STEERING

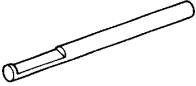
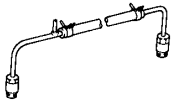

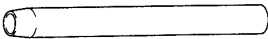

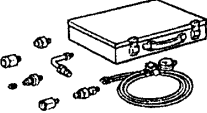

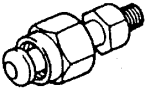
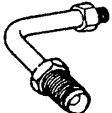
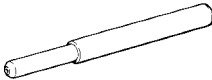
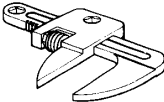
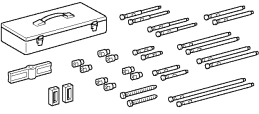
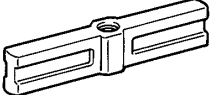
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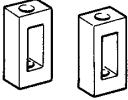
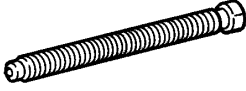

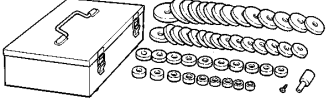









### SST

021CB-01

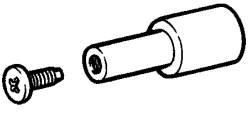
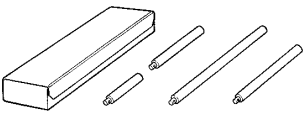


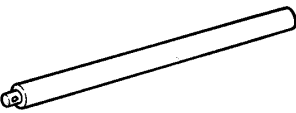
	09023-38200	Union Nut Wrench 12mm	RACK & PINION POWER STEERING GEAR ASSY
	09023-38400	Union Nut Wrench 14mm	VANE PUMP ASSY RACK & PINION POWER STEERING GEAR ASSY
	09521-24010	Rear Axle Shaft Puller	RACK & PINION POWER STEERING GEAR ASSY
	09612-00012	Rack & Pinion Steering Rack Housing Stand	RACK & PINION POWER STEERING GEAR ASSY
	09612-22011	Tilt Handle Bearing Replacer	RACK & PINION POWER STEERING GEAR ASSY
	09612-24014	Steering Gear Housing Overhaul Tool Set	RACK & PINION POWER STEERING GEAR ASSY
	(09612-10061)	Steering Pinion Bearing Replacer	RACK & PINION POWER STEERING GEAR ASSY
	(09613-22011)	Steering Rack Shaft Bushing Puller	RACK & PINION POWER STEERING GEAR ASSY
	09616-00011	Steering Worm Bearing Adjusting Socket	RACK & PINION POWER STEERING GEAR ASSY
	09628-62011	Boll Joint Puller	RACK & PINION POWER STEERING GEAR ASSY
	09630-00014	Power Steering Gear Housing Overhaul Tool Set	VANE PUMP ASSY
	(09631-00132)	Vane Pump Bracket	VANE PUMP ASSY

## PREPARATION - POWER STEERING

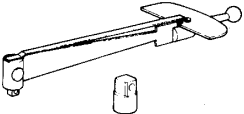
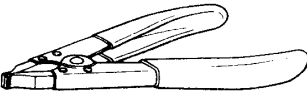
	09631-10030 Oil Seal Remover	VANE PUMP ASSY
	09631-12071 Steering Rack Oil Seal Test Tool	RACK & PINION POWER STEERING GEAR ASSY
	(09633-00010) Packing	RACK & PINION POWER STEERING GEAR ASSY
	09631-16020 Steering Rack Cover "A"	RACK & PINION POWER STEERING GEAR ASSY
	09631-20081 Seal Ring Tool	RACK & PINION POWER STEERING GEAR ASSY
	09640-10010 Power Steering Pressure Gauge Set	POWER STEERING SYSTEM
	(09641-01010) Gauge Assy	POWER STEERING SYSTEM
	(09641-01020) Attachment A	POWER STEERING SYSTEM
	(09641-01030) Attachment B	POWER STEERING SYSTEM
	09670-00010 Front Crossmember Guide Tool	RACK & PINION POWER STEERING GEAR ASSY
	09922-10010 Variable Open Wrench	RACK & PINION POWER STEERING GEAR ASSY
	09950-50013 Puller C Set	RACK & PINION POWER STEERING GEAR ASSY
	(09951-05010) Hanger 150	RACK & PINION POWER STEERING GEAR ASSY

	(09952-05010) Slide Arm	RACK & PINION POWER STEERING GEAR ASSY
	(09953-05020) Center Bolt 150	RACK & PINION POWER STEERING GEAR ASSY
	(09954-05021) Claw No.2	RACK & PINION POWER STEERING GEAR ASSY
	09950-60010 Replacer Set	VANE PUMP ASSY RACK & PINION POWER STEERING GEAR ASSY
	(09951-00180) Replacer 18	RACK & PINION POWER STEERING GEAR ASSY
	(09951-00190) Replacer 19	RACK & PINION POWER STEERING GEAR ASSY
	(09951-00220) Replacer 22	RACK & PINION POWER STEERING GEAR ASSY
	(09951-00240) Replacer 24	RACK & PINION POWER STEERING GEAR ASSY
	(09951-00260) Replacer 26	RACK & PINION POWER STEERING GEAR ASSY
	(09951-00280) Replacer 28	VANE PUMP ASSY RACK & PINION POWER STEERING GEAR ASSY
	(09951-00320) Replacer 32	RACK & PINION POWER STEERING GEAR ASSY
	(09951-00360) Replacer 36	RACK & PINION POWER STEERING GEAR ASSY
	(09951-00400) Replacer 40	RACK & PINION POWER STEERING GEAR ASSY

## PREPARATION - POWER STEERING

	(09952-06010) Adapter	RACK & PINION POWER STEERING GEAR ASSY
	09950-70010 Handle Set	VANE PUMP ASSY RACK & PINION POWER STEERING GEAR ASSY
	(09951-07100) Handle 100	VANE PUMP ASSY RACK & PINION POWER STEERING GEAR ASSY
	(09951-07150) Handle 150	RACK & PINION POWER STEERING GEAR ASSY
	(09951-07360) Handle 360	RACK & PINION POWER STEERING GEAR ASSY

## Recomended Tools

	09025-00010 Torque Wrench (30 kgf-cm)	VANE PUMP ASSY RACK & PINION POWER STEERING GEAR ASSY
	09905-00012 Snap Ring No.1 Expander	VANE PUMP ASSY

## Equipment

Caliper gauge	Vane pump assy
Vernier calipers	Vane pump assy
Dial indicator	Steering gear assy
Feeler gauge	Vane pump assy
Micrometer	Vane pump assy
Torque wrench	

## Lubricant

Item	Capacity	Classification
Power steering fluid (Total)	0.8 liters (0.9 US qts, 0.7 Imp.qts)	ATF DEXRON® II or III

## SSM

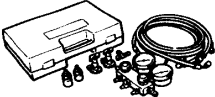
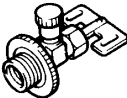
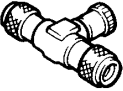





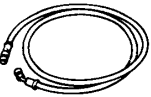
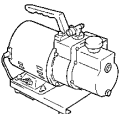
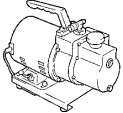
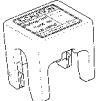
08833-00080	Adhesive 1344 THREE BOND 1344 LOCTITE 242 or equivalent	RACK & PINION POWER STEERING GEAR ASSY
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# HEATER & AIR CONDITIONER

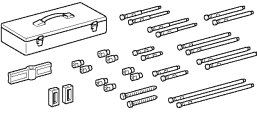
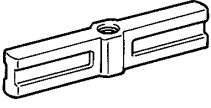
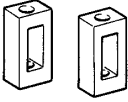
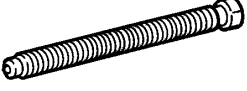

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## PREPARATION

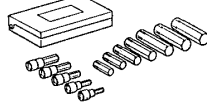
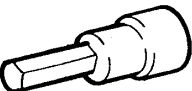
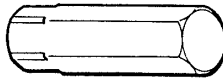
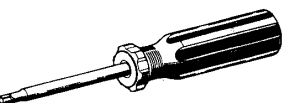
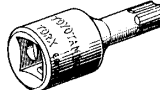

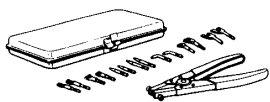

### SST

	07110-58060	Air Conditioner Service Tool Set	REFRIGERANT COOLER COMPRESSOR ASSY W/RECEIVER CONDENSER ASSY AIR CONDITIONER UNIT ASSY
	(07117-58060)	Refrigerant Drain Service Valve	REFRIGERANT COOLER COMPRESSOR ASSY W/RECEIVER CONDENSER ASSY AIR CONDITIONER UNIT ASSY
	(07117-58070)	T-Joint	REFRIGERANT COOLER COMPRESSOR ASSY W/RECEIVER CONDENSER ASSY AIR CONDITIONER UNIT ASSY
	(07117-58080)	Quick Disconnect Adapter	REFRIGERANT COOLER COMPRESSOR ASSY W/RECEIVER CONDENSER ASSY AIR CONDITIONER UNIT ASSY
	(07117-58090)	Quick Disconnect Adapter	REFRIGERANT COOLER COMPRESSOR ASSY W/RECEIVER CONDENSER ASSY AIR CONDITIONER UNIT ASSY
	(07117-78050)	Refrigerant Charging Gauge	REFRIGERANT COOLER COMPRESSOR ASSY W/RECEIVER CONDENSER ASSY AIR CONDITIONER UNIT ASSY
	(07117-88060)	Refrigerant Charging Hose	REFRIGERANT COOLER COMPRESSOR ASSY W/RECEIVER CONDENSER ASSY AIR CONDITIONER UNIT ASSY
	(07117-88070)	Refrigerant Charging Hose	REFRIGERANT COOLER COMPRESSOR ASSY W/RECEIVER CONDENSER ASSY AIR CONDITIONER UNIT ASSY
	(07117-88080)	Refrigerant Charging Hose	REFRIGERANT COOLER COMPRESSOR ASSY W/RECEIVER CONDENSER ASSY AIR CONDITIONER UNIT ASSY
	07117-48130	Vacuum Pump (220 V)	REFRIGERANT COOLER COMPRESSOR ASSY W/RECEIVER CONDENSER ASSY AIR CONDITIONER UNIT ASSY
	07117-48140	Vacuum Pump (240 V)	REFRIGERANT COOLER COMPRESSOR ASSY W/RECEIVER CONDENSER ASSY AIR CONDITIONER UNIT ASSY
	09870-00015	A/C Quick Joint Puller No.1	AIR CONDITIONER UNIT ASSY

PREPARATION - HEATER & AIR CONDITIONER

	<p>09950-50013 Puller C Set</p>	<p>AIR CONDITIONER UNIT ASSY</p>
	<p>(09951-05010) Hanger 150</p>	<p>AIR CONDITIONER UNIT ASSY</p>
	<p>(09952-05010) Slide Arm</p>	<p>AIR CONDITIONER UNIT ASSY</p>
	<p>(09953-05020) Center Bolt 150</p>	<p>AIR CONDITIONER UNIT ASSY</p>
	<p>(09954-05021) Claw No.2</p>	<p>AIR CONDITIONER UNIT ASSY</p>

Recommended Tools

	<p>09040-00011 Hexagon Wrench Set</p>	<p>W/RECEIVER CONDENSER ASSY AIR CONDITIONER UNIT ASSY</p>
	<p>(09043-20050) Socket Hexagon Wrench 5</p>	<p>AIR CONDITIONER UNIT ASSY</p>
	<p>(09043-30140) Straight Hexagon Wrench 14</p>	<p>W/RECEIVER CONDENSER ASSY</p>
	<p>09041-00010 Torx Driver T20</p>	<p>W/RECEIVER CONDENSER ASSY</p>
	<p>09042-00010 Torx Socket T30</p>	<p>AIR CONDITIONER UNIT ASSY</p>
	<p>09070-20010 Moulding Remover</p>	<p>AIR CONDITIONER UNIT ASSY</p>
	<p>09904-00010 Expander Set</p>	<p>COOLER COMPRESSOR ASSY</p>
	<p>(09904-00050) No. 4 Claw</p>	<p>COOLER COMPRESSOR ASSY</p>

	95416-00140 Gas Leak Detector (Halogen Leak Detector) (DENSO Part No.)	REFRIGERANT COOLER COMPRESSOR ASSY W/RECEIVER CONDENSER ASSY AIR CONDITIONER UNIT ASSY
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**Equipment**

Voltmeter	
Ammeter	
Ohmmeter	
Vinyl tape	
Hexagon wrench 5 mm (0.20 in.)	
Hexagon wrench 14 mm (0.55 in.)	
Vise pliers	
Gas leak detector	
Dial indicator with magnetic base	
Radiator cap tester	
Torque wrench	

**Lubricant**


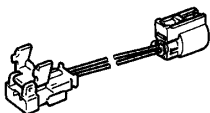

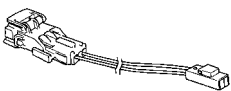


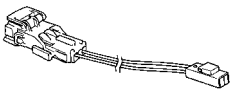

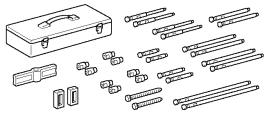
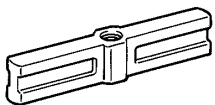
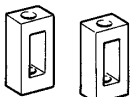
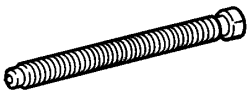
Item	Capacity	Classification
Compressor oil	-	ND-OIL 8 or equivalent


# SUPPLEMENTAL RESTRAINT SYSTEM

## PREPARATION

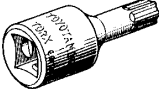
022XY-01

### SST

	09082-00700	SRS Airbag Deployment Tool	FRONT SEAT AIRBAG ASSY RH INSTRUMENT PANEL PASSENGER AIR BAG ASSY HORN BUTTON ASSY(April, 2003)
	09082-00750	Airbag Deployment Wire Sub-harness No.3	FRONT SEAT AIRBAG ASSY RH
	09082-00780	Airbag Deployment Wire Sub-harness No.6	HORN BUTTON ASSY(April, 2003)
	(09082-10801)	Wire A	INSTRUMENT PANEL PASSENGER AIR BAG ASSY HORN BUTTON ASSY(April, 2003)
	(09082-30801)	Wire C	INSTRUMENT PANEL PASSENGER AIR BAG ASSY HORN BUTTON ASSY(April, 2003)
	09082-00802	Airbag Deployment Wire Sub-Harness No. 8	HORN BUTTON ASSY(April, 2003)
	(09082-10801)	Wire A	INSTRUMENT PANEL PASSENGER AIR BAG ASSY HORN BUTTON ASSY(April, 2003)
	(09082-30801)	Wire C	INSTRUMENT PANEL PASSENGER AIR BAG ASSY HORN BUTTON ASSY(April, 2003)
	09950-50013	Puller C Set	SPIRAL CABLE SUB-ASSY
	(09951-05010)	Hanger 150	SPIRAL CABLE SUB-ASSY
	(09952-05010)	Slide Arm	SPIRAL CABLE SUB-ASSY
	(09953-05020)	Center Bolt 150	SPIRAL CABLE SUB-ASSY

 <p>(09954-05021) Claw No.2</p>	SPIRAL CABLE SUB-ASSY
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**Recommended Tools**

 <p>09042-00010 Torx Socket T30</p>	SPIRAL CABLE SUB-ASSY
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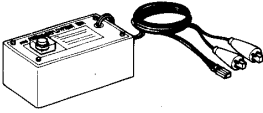
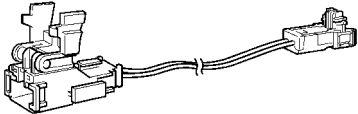
**Equipment**

Torque wrench	
Bolt Length: 35.0 mm (1.387 in.) Pitch: 1.0 mm (0.039 in.) Diam.: 6.0 mm (0.236 in.)	Airbag disposal
Tire Width: 185 mm (7.28 in.) Inner diam.: 360 mm (14.17 in.)	Airbag disposal
Tire with disc wheel Width: 185 mm (7.28 in.) Inner diam.: 360 mm (14.17 in.)	Airbag disposal
Vinyl bag	Airbag disposal

# SEAT BELT PREPARATION

SST

021C3-02

	<p>09082-00700 SRS Airbag Deployment Tool</p>	<p>FRONT SEAT BELT</p>
	<p>09082-00770 Airbag Deployment Wire Sub-harness No.5</p>	<p>FRONT SEAT BELT</p>



## Equipment

<p>Torque wrench</p>	
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# LIGHTING PREPARATION

021C6-01

## Recommended Tools

	09070-20010 Moulding Remover	BACK UP LAMP ASSY LH
	(09083-00150) Test Lead Set	LIGHTING SYSTEM


## Equipment

Torque wrench	
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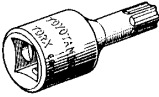
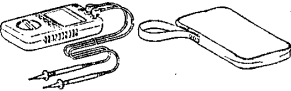

# WIPER & WASHER PREPARATION

021C7-01

## SST

	09843-18040 Diagnosis Check Wire No.2	WIPER AND WASHER SYSTEM
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## Recommended Tools

	09042-00010 Torx Socket T30	WINDSHIELD WIPER MOTOR ASSY
	09082-00040 TOYOTA Electrical Tester	WIPER AND WASHER SYSTEM
	(09083-00150) Test Lead Set	WIPER AND WASHER SYSTEM

## Equipment

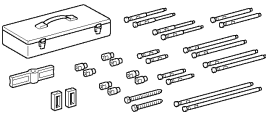
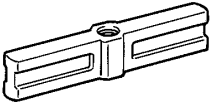
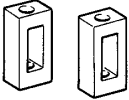
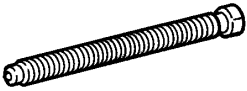
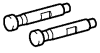
Torque wrench	
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# AUDIO & VISUAL SYSTEM

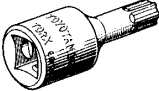
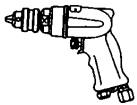

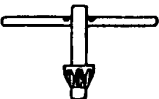
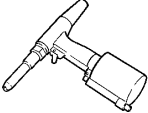


## PREPARATION

021C1-01



### SST

	09950-50013	Puller C Set	ANTENNA CORD SUB-ASSY
	(09951-05010)	Hanger 150	ANTENNA CORD SUB-ASSY
	(09952-05010)	Slide Arm	ANTENNA CORD SUB-ASSY
	(09953-05020)	Center Bolt 150	ANTENNA CORD SUB-ASSY
	(09954-05021)	Claw No.2	ANTENNA CORD SUB-ASSY

### Recommended Tools

	09042-00010	Torx Socket T30	ANTENNA CORD SUB-ASSY
	09050-00032	Air Drill	FRONT NO.1 SPEAKER ASSY
	(09050-00210)	Chuck Set	FRONT NO.1 SPEAKER ASSY
	(09050-00220)	Handle	FRONT NO.1 SPEAKER ASSY
	09050-20010	Air Riveter	FRONT NO.1 SPEAKER ASSY
	(09050-02010)	Dust Cap	FRONT NO.1 SPEAKER ASSY
	(09050-02020)	Nose Piece No.1	FRONT NO.1 SPEAKER ASSY

PREPARATION - AUDIO & VISUAL SYSTEM

	<p>09060-60350 Revet Cutter</p>	<p>FRONT NO.1 SPEAKER ASSY</p>
	<p>09070-20010 Moulding Remover</p>	<p>ANTENNA CORD SUB-ASSY AMPLIFIER ANTENNA ASSY</p>

**Equipment**


<p>Torque wrench</p>	
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# COMMUNICATION SYSTEM

## PREPARATION

021CO-01

### Recommended Tools

	09082-00040 TOYOTA Electrical Tester	HORN SYSTEM
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### Equipment

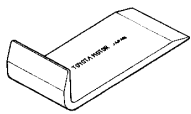
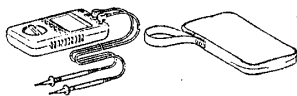
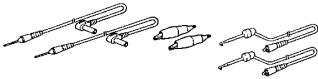
Battery	
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# WINDSHIELD/WINDOWGLASS/MIRROR

021CG-01

## PREPARATION

### Recommended Tools

	09070-20010 Moulding Remover	WINDSHIELD GLASS
	09082-00040 TOYOTA Electrical Tester	WINDOW DEFOGGER SYSTEM POWER MIRROR CONTROL SYSTEM POWER WINDOW CONTROL SYSTEM
	(09083-00150) Test Lead Set	POWER WINDOW CONTROL SYSTEM

### Equipment

Adhesive	
Knife	
Piano wire	Windshield
Plastic sheet	To avoid surface damage.
Sealer gun	
Torque wrench	
Tape	To avoid surface damage.
Wooden block or similar object	For tying both piano wire ends

### SSM

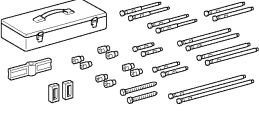
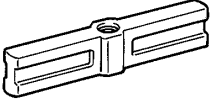
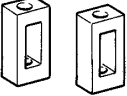
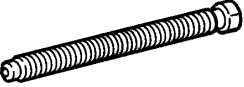

	08833-00030 Three cement black or equivalent	WINDSHIELD GLASS BACK WINDOW GLASS
	08850-00801 Windshield Glass Adhesive Set or equivalent	WINDSHIELD GLASS BACK WINDOW GLASS

# INSTRUMENT PANEL/METER

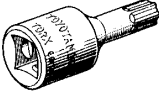

021C0-01

## PREPARATION

### SST

	<p>09950-50013 Puller C Set</p>	<p>INSTRUMENT PANEL SUB-ASSY LOWER</p>
	<p>(09951-05010) Hanger 150</p>	<p>INSTRUMENT PANEL SUB-ASSY LOWER</p>
	<p>(09952-05010) Slide Arm</p>	<p>INSTRUMENT PANEL SUB-ASSY LOWER</p>
	<p>(09953-05020) Center Bolt 150</p>	<p>INSTRUMENT PANEL SUB-ASSY LOWER</p>
	<p>(09954-05021) Claw No.2</p>	<p>INSTRUMENT PANEL SUB-ASSY LOWER</p>

### Recommended Tools

	<p>09042-00010 Torx Socket T30</p>	<p>INSTRUMENT PANEL SUB-ASSY LOWER</p>
	<p>09070-20010 Moulding Remover</p>	<p>INSTRUMENT PANEL SUB-ASSY LOWER</p>

### Equipment

<p>Ohmmeter</p>	
<p>Torque wrench</p>	
<p>Adhesive Tape</p>	

# SEAT PREPARATION

021BX-01


## Equipment

Hog ring pliers	
Hog ring	
Torque wrench	
Tape	To avoid surface damage

# THEFT DETERRENT & DOOR LOCK PREPARATION

021CN-01

## Recommended Tools

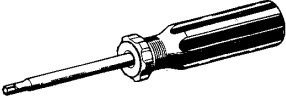
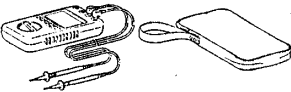
	09082-00040 TOYOTA Electrical Tester	POWER DOOR LOCK CONTROL SYSTEM
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# SLIDING ROOF/CONVERTIBLE

021C9-02

## PREPARATION

### Recommended Tools

	09041-00020 Torx Driver T25	SLIDING ROOF HOUSING SUB-ASSY
	09082-00040 TOYOTA Electrical Tester	SLIDING ROOF SYSTEM

### Equipment

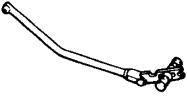

Torque wrench	
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# ENGINE HOOD/DOOR

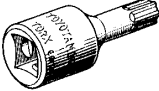

## PREPARATION

022VI-01

### SST

	09804-24010	Luggage Compartment Door Torsion Bar Tool	LUGGAGE DOOR HINGE TORSION BAR RH
	09812-00010	Door Hinge Set Bolt Wrench	FRONT DOOR

### Recommended Tools

	09042-00010	Torx Socket T30	FRONT DOOR REAR DOOR
	09042-00020	Torx Socket T40	FRONT DOOR REAR DOOR

### Equipment


Air riveter	
Clip remover	
Drill	
Hand riveter	
Tape	To avoid surface damage
Torque wrench	

# EXTERIOR/INTERIOR TRIM

## PREPARATION

021C5-02

### Recommended Tools

	09070-20010 Moulding Remover	FRONT DOOR BELT MOULDING ASSY LH REAR DOOR BELT MOULDING ASSY LH ROOF DRIP SIDE FINISH MOULDING CENTER LH REAR BUMPER ROOF HEADLINING ASSY
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### Equipment


Adhesive tape	To avoid surface damage.
Cleaner	
Clip remover	
Heat light	Moulding
Piano wire	Moulding
Tape	To avoid surface damage.
Torque wrench	
White gasoline	
Wooden block or similar object	For tying both piano wire ends

# VEHICLE CONTROL SYSTEM

## PREPARATION

021CP-01

### Recommended Tools

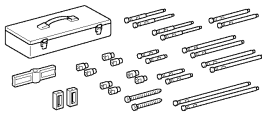
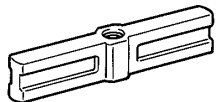
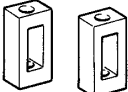
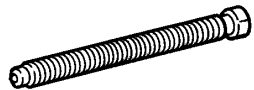
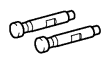
	09082-00040 TOYOTA Electrical Tester	IGNITION OR STARTER SWITCH ASSY
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# CRUISE CONTROL

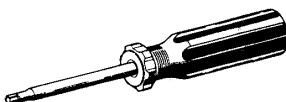
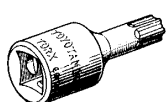
## PREPARATION

021BI-01

### SST

	09950-50013 Puller C Set	SPEED CONTROL MAIN SWITCH ASSY
	(09951-05010) Hanger 150	SPEED CONTROL MAIN SWITCH ASSY
	(09952-05010) Slide Arm	SPEED CONTROL MAIN SWITCH ASSY
	(09953-05020) Center Bolt 150	SPEED CONTROL MAIN SWITCH ASSY
	(09954-05021) Claw No.2	SPEED CONTROL MAIN SWITCH ASSY

### Recommended Tools

	09041-00030 Torx Driver T30	INSTRUMENT PANEL SAFETY PAD SUB-ASSY
	09042-00010 Torx Socket T30	INSTRUMENT PANEL SAFETY PAD SUB-ASSY

### Equipment

Torque wrench	
Adhesive Tape	